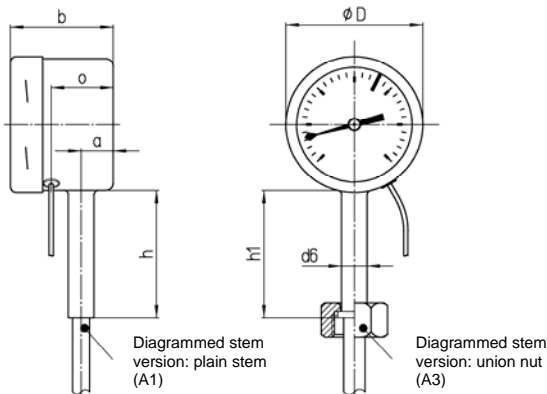


Thermometers model TSCh 63... and TFCh63... are for signalisation of the exceeding and undercutting of a limit value, also available with reed switch.

Version

Case versions, stem models and connections correspond to the **basic models according to data sheet 8240**. Versions with case filling are not available with reed-switch.

The reed switch model 201 is a fast special switch that switches voltages in the millivolt- resp. microampere-range, but is also applicable at relatively high currents. The switching takes place when the pointer reaches the externally adjustable limit value and lasts when exceeding the value.



Adjustment range

The reed switch can be adjusted on any measuring value between min. 2 % and max 90 % of the full scale value. The bayonet ring has to be detached for this.

Switching function

- a) **Clockwise pointer motion:** relevant switching at rising temperature
R1= contact closes or **R2= contact opens**
- b) **Anticlockwise pointer motion:** relevant switching at falling temperature
R4= contact closes or **R5= contact opens**

The contact model has to be ordered according to the relevance of the switching at rising or falling temperatures, as the error functions in the accordingly opposite direction, which is caused by the switching hysteresis.

Electrical connection

1m connection cable, 2- wire, cable gland with rubber bushing and lateral bottom strain relief at the right side of the case.

Electrical data

breaking capacity max.	10 W (at direct voltage) resp. 10 VA (at alternating voltage)
switching voltage max.	< 75 V DC < 50 V AC
switching current max.	0.5 A at direct or alternating voltage and ohmic load
switching hysteresis	max. 2.5 %

Ordering information (model construction):

The required ordering information for the measuring instrument are contained in data sheet 8240. These information are extended by **'reed switch'** and the identification of the switching function (**R1, R2, R4, R5**).

Example for ordering code:

TSCh 63, 0/100°C, stem A4, ø10 mm,
length of 100mm, ET 45 mm, G1/2 B;
reed switch R2

